

**SYSTEM AND METHOD FOR PREINTEGRATION OF UPDATES TO AN
OPERATING SYSTEM**

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ABSTRACT OF THE DISCLOSURE

15 An operating system has security updates preintegrated to reduce vulnerability
of the operating system to malicious programs, such as worms. Preintegration writes
update files over corresponding operating system files before boot of the operating
system so that malicious programs are not provided an opportunity to attack the
operating system during a post-boot security update. An update package extracts
update files, such as QFE files, and prepares the update files within a file and
directory structure corresponding to the operating system. An overwrite engine
running on an alternative operating system writes the update files to the operating
20 system so that the operating system boots secure from attack by worms that the
updates are intended to prevent.